

## T K M College Of Arts Science (142)

### Course Basket of Biochemistry

| Category                              | Course Code  | Course Name                                     |
|---------------------------------------|--------------|---|
| <b>Discipline: FYUGP Biochemistry</b> |              |   |
| <b>Semester: 1</b>                    |              |   |
| DSC                                   | UK1DSCBCH101 | Foundations of biochemistry                     |
| DSC                                   | UK1DSCBCH104 | Physical aspects of biochemistry                |
| <b>Semester: 2</b>                    |              |   |
| DSC                                   | UK2DSCBCH100 | Introduction to biomolecules                    |
| DSC                                   | UK2DSCBCH103 | Biochemistry of health and diseases             |
| <b>Semester: 3</b>                    |              |   |
| DSC                                   | UK3DSCBCH201 | Enzymes and enzyme kinetics                     |
| DSC                                   | UK3DSCBCH204 | Functional foods and nutraceuticals             |
| DSE                                   | UK3DSEBCH200 | Nutrition for Human health                      |
| <b>Semester: 4</b>                    |              |   |
| DSC                                   | UK4DSCBCH201 | Cell Biology                                    |
| DSC                                   | UK4DSCBCH203 | Plant Biochemistry                              |
| DSE                                   | UK4DSEBCH201 | Industrial enzymes                              |
| INT                                   | UK4INTBCH200 | Internship                                      |
| SEC                                   | UK4SECBCH201 | Diagnostic Biochemistry                         |
| <b>Semester: 5</b>                    |              |   |
| DSC                                   | UK5DSCBCH300 | Bioenergetics and carbohydrate metabolism       |
| DSC                                   | UK5DSCBCH301 | Nucleic acid, lipid and amino acid metabolism   |
| DSC                                   | UK5DSCBCH302 | Human physiology and immunology                 |
| DSE                                   | UK5DSEBCH300 | Inborn errors of metabolism                     |
| DSE                                   | UK5DSEBCH301 | Food and Dairy Science                          |
| <b>Semester: 6</b>                    |              |   |
| DSC                                   | UK6DSCBCH300 | Classical and molecular genetics                |
| DSC                                   | UK6DSCBCH301 | Clinical biochemistry and molecular diagnostics |
| DSC                                   | UK6DSCBCH305 | General Informatics and Bioinformatics          |
| DSE                                   | UK6DSEBCH300 | Microbial Biochemistry                          |
| DSE                                   | UK6DSEBCH301 | Molecular Immunology                            |
| <b>Semester: 7</b>                    |              |   |
| DSC                                   | UK7DSCBCH400 | Cell Signalling                                 |

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| DSC                | UK7DSCBCH401 | Advanced techniques in biochemistry       |
| DSE                | UK7DSEBCH401 | Plant tissue culture                      |
| <b>Semester: 8</b> |              |   |
| CIP                | UK8CIPBCH400 | Capstone Internship                       |
| DSC                | UK8DSCBCH400 | Developmental Biology                     |
| DSC                | UK8DSCBCH401 | Pharmacology                              |
| DSC                | UK8DSCBCH402 | Nanomaterials for Biomedical Applications |
| RPH                | UK8RPHBCH400 | Research project                          |